

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-3. (canceled).

4. (CURRENTLY AMENDED): A method of correcting links in a document, comprising:

sending a first request to a link checking service unit to ~~check a status of~~ determine whether a first resource corresponding to a first link in the document is located at said first link;

receiving a first response to said first request, the first response containing an indication ~~of a changed location of that~~ the first resource is not located at the first link; and

automatically changing the document in response to the receiving of the first response,
based on the indication, wherein said changing of the document comprises automatically replacing the first link or automatically deleting the first link of the changed location of the first resource; and

automatically sending a second request to the link checking service unit to ~~check a status of~~ determine whether a second resource corresponding to a second link in the document is located at the second link after the changing of the document.

5. (PREVIOUSLY PRESENTED): The method of claim 4, wherein the response further includes a link status code indicating a status of the first resource.

6. (PREVIOUSLY PRESENTED): The method of claim 4, wherein the document is a World-Wide Web page and the first link is a hypertext link.

7. (CURRENTLY AMENDED): The method of claim 4, wherein the first link includes a first uniform resource locator (URL) and the indication of the changed location of the first resource includes a second URL, wherein the document is changed by changing the first URL in the first link to the second URL.

8. (PREVIOUSLY PRESENTED): The method of claim 4, wherein the document is changed by automatically deleting the first link in the document if the first response does not include a replacement link and contains a link status code indicating that the first link is invalid.

9. (PREVIOUSLY PRESENTED): The method of claim 4, wherein said sending the first request, receiving the first response, and changing the document are performed in a web server.

10-14. (canceled).

15. (CURRENTLY AMENDED) A method for determining a status of links in a document, comprising:

receiving a first request to determine ~~the status of whether a first resource is located at a~~ first link in the document, wherein the first link includes a first location indicator of ~~a~~ the first resource;

detecting if the first resource is present within a storage unit at a location indicated by the first location indicator;

determining if the first resource is present at an alternate location if the first resource is not detected in the location indicated by the first location indicator;

in response to the first request, returning an alternate location identifier indicating the alternate location of the first resource if the first resource is determined to be present at the alternate location, wherein the document is automatically changed in response to the returning of the alternate location identifier by automatically replacing the first link with another link comprising the alternate location identifier; and

receiving a second request which is automatically sent after the ~~returning of the alternate location identifier~~ document is automatically changed, to determine whether a second resource is

~~located at the status of~~ a second link in the document, wherein the second link includes a location indicator of ~~a~~ the second resource.

16. (PREVIOUSLY PRESENTED): The method of claim 15, wherein the first link is a hypertext link and the location indicator of the resource is a uniform resource locator (URL).

17. (PREVIOUSLY PRESENTED): The method of claim 16, wherein the first resource is a web page.

18. (PREVIOUSLY PRESENTED): The method of claim 16, further comprising returning a link status code indicating whether the first resource is present in the storage unit.

19. (PREVIOUSLY PRESENTED): The method of claim 18, wherein the link status code indicates whether the first resource has been deleted from the storage unit.

20. (PREVIOUSLY PRESENTED): The method of claim 15, wherein said determining if the first resource is present at an alternate location is performed by consulting a mapping table associating a first location indicator with a second location indicator, wherein the first location

indicator indicates a prior location of the first resource and the second location indicator indicates a present location of the first resource.

21. (ORIGINAL): The method of claim 20, wherein the first and second location indicators are uniform resource locators (URLs).

22-30. (canceled).

31. (PREVIOUSLY PRESENTED): The method of claim 4, wherein the link checking service unit is disposed in a first web server, and the first request is sent from a second web server different from the first web server.

32. (PREVIOUSLY PRESENTED): The method of claim 15, wherein the first request is received by a first web server, and the alternate location identifier is returned to a second web server different from the first web server.

33. (new): The method of claim 4, wherein the automatic changing of the document is performed before a status of any other link in the document is checked.

34. (new): The method of claim 15, wherein the automatic changing of the document is performed before a status of any other link in the document is checked.